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3 **In the claims:**

4 Claims 10-12 are withdrawn.

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1 Version with Markings to Show Changes Made

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4 1 (Original) A device, comprising:

5 an input fiber to guide an input optical beam;

6 a reflector having a reflective surface that is

7 partially transmissive to light, said reflector positioned

8 to reflect a part of the input optical beam at said

9 reflective surface as a reflected optical beam and to

10 transmit a part of the input optical beam as a transmitted

11 optical beam;

12 an output fiber positioned to receive and guide the

13 reflected optical beam as an output optical beam;

14 an optical detector positioned to receive the

15 transmitted optical beam and to produce a detector output;

16 and

17 a variable optical attenuator positioned in an optical

18 path between said reflective surface and one of said input

19 and said output fibers to attenuate light in response to a

20 control signal.

21

22 2 (Original) The device as in claim 1, wherein said

23 variable optical attenuator is positioned to attenuate the

1 input optical beam incident to said reflective surface, and
2 wherein the detector output indicates a power level of the
3 output optical beam.

4
5 3 (Original) The device as in claim 1, wherein said
6 variable optical attenuator is positioned to attenuate the
7 reflected optical beam, and wherein the detector output
8 indicates a power level of the input optical beam.

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10 4 (Original) The device as in claim 1, wherein said
11 variable optical attenuator is a micro attenuation
12 controllable element.

13
14 5 (Original) The device as in claim 1, wherein said
15 variable optical attenuator attenuates light by scattering
16 light.

17
18 6 (Original) The device as in claim 1, wherein said
19 variable optical attenuator attenuates light by reflecting
20 light.

21

1 7 (Original) The device as in claim 1, wherein said
2 variable optical attenuator attenuates light by absorbing
3 light.

4
5 8 (Original) The device as in claim 1, further
6 comprising a housing to hold said optical detector, said
7 reflector, said variable optical attenuator, said input and
8 said output fibers as an integrated package.

9
10 9 (Original) The device as in claim 8, said housing
11 has a first end to hold said optical detector and said
12 reflector, and a second, opposing end to hold said input
13 and said output fibers.

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15 10 - 12 (Withdrawn)

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17 13 (Amended) A device, comprising:
18 a housing having a first end and a second opposing
19 end;
20 an optical detector engaged to said first end;
21 a collimator lens having a flat end lens facet in said
22 housing to face said optical detector and to transmit a
23 fraction of light to said optical detector;

1 a magnet in said housing to produce a magnetic field;
2 a capillary body being in said housing to hold input
3 and output fibers that exit said housing at said second
4 opposing end and having an end facet facing said collimator
5 lens to expose end facets of said input and output fibers
6 to said collimator lens and to the magnetic field, wherein
7 said collimator is configured and spaced from said end
8 facet of said capillary body to collimate light from one
9 fiber and to focus reflected light by said flat end lens
10 facet to another fiber;
11 a conductive wire movably fixed to said capillary body
12 to have a wire portion across said end ~~facet~~ facet of said
13 capillary body, said wire movable along said end facet when
14 an electric current is supplied to said wire to interact
15 with said magnetic field; and
16 a shutter engaged to said wire portion and movable
17 along with said wire to intercept a beam that is either
18 output by said input fiber or received by said output fiber
19 to attenuate the beam.

20

21 14 (Original) The device as in claim 13, wherein said
22 shutter scatters the beam when intercepting the beam.

23

1 15(Original) The device as in claim 13, wherein said
2 shutter absorbs the beam when intercepting the beam.

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4 16(Original) The device as in claim 13, wherein said
5 shutter reflects the beam when intercepting the beam.

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7 17(Original) The device as in claim 13, further
8 comprising first and second adhesive pads on sides surfaces
9 of said capillary body to bond two parts of said wire to
10 said capillary body as pivot points for motion of said
11 wire.

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13 18(Original) The device as in claim 17, wherein said
14 adhesive pads are elastic and soft to reduce effects of
15 mechanical shocks and vibrations to said wire and said
16 shutter.

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18 19(Original) The device as in claim 18, wherein said
19 adhesive pads are made of an epoxy.

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21 20(Original) The device as in claim 13, further
22 comprising a control unit the controls the electric

1 current in said wire in response to an output of said
2 optical detector.

3

4 21(Original) The device as in claim 13, wherein said
5 collimator lens is a GRIN lens.

6

7 22(Original) The device as in claim 13, wherein said
8 collimator lens is a C lens.

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10 23(Original) The device as in claim 13, wherein said
11 flat end lens facet is coated with a reflective coating
12 that is partially transmissive.

13

14 24(Original) The device as in claim 13, further
15 comprising a partially transmissive mirror engaged to said
16 flat end lens facet.